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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/550,915

09/28/2005

Morio Fujitani

2005\_1476A

4301

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7590

10/14/2011

WENDEROTH, LIND & PONACK, L.L.P.

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EXAMINER

RAABE, CHRISTOPHER M

ART UNIT

PAPER NUMBER

2879

NOTIFICATION DATE

DELIVERY MODE

10/14/2011

ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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<b>Office Action Summary</b>	<b>Application No.</b> 10/550,915	<b>Applicant(s)</b> FUJITANI, MORIO	
	<b>Examiner</b> CHRISTOPHER RAABE	<b>Art Unit</b> 2879	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 14 July 2011.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on \_\_\_\_; the restriction requirement and election have been incorporated into this action.
- 4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 5) ☒ Claim(s) 1 and 13 is/are pending in the application.
- 5a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 6) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 7) ☒ Claim(s) 1 and 13 is/are rejected.
- 8) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 9) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 10) ☐ The specification is objected to by the Examiner.
- 11) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 12) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____.                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date ____.  | 6) <input type="checkbox"/> Other: ____.                          |

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### DETAILED ACTION

Applicant's submission, filed 14 July 2011, has been entered and acknowledged by the examiner.

Applicant's arguments filed 14 July 2011 have been fully considered but they are not persuasive.

#### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1,13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sugimoto et al. (JP 2002-008524), in view of Fujitani et al. (WO 02102732, relying on USPN 2004/0232839 for translation)

With regard to claim 1,

Sugimoto et al. disclose in at least the figures and paragraphs 9-10,17 a plasma display panel comprising: a front panel (14) comprising a display electrode (22) a dielectric layer (26) and a protective layer (26) formed on a first glass substrate (14); a back panel (12) confronting the front panel (14) and including an address electrode (20), a base dielectric layer (21), a barrier rib (21), and a phosphor layer (24) sequentially formed on a second glass substrate (12), the front panel and back panel being disposed so as to confront each other and being sealed at outer walls of the front panel and back panel with a sealing member so as to form an inner

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space between the protective layer of the front panel and the phosphor layer, barrier rib, and base dielectric layer of the back panel; and a first catalyst (CoO) provided on at least one of the barrier rib and the phosphor layer so as to be exposed to the inner space and react with a hydrocarbon existing in the inner space, wherein the first catalyst (CoO) is at least one of a catalyst which accelerates oxidation of a hydrocarbon and is selected from the group consisting of Pd, Pt, Rh,  $\text{Co}_3\text{O}_4$ ,  $\text{Mn}_2\text{O}_3$ , CoO, and NiO, wherein the barrier rib and the phosphor layer are formed on the base dielectric layer. While Sugimoto et al. do not disclose the incorporation of a substance consisting of Co, Ti, or Ni, Fujitani et al. do disclose in at least paragraphs 18-20 incorporating a catalyst (Ni) that accelerates decomposition of a hydrocarbon into a dielectric layer, reducing the amount of solvent material retained in the dielectric layer. It would therefore have been obvious to one of ordinary skill in the art at the time of the invention to incorporate the material of Fujitani et al. into the PDP of Sugimoto et al.

With regard to claim 13,

Sugimoto et al. disclose the plasma display panel according to claim 1, wherein the catalyst material is provided on the barrier rib and on the phosphor layer so as to be exposed to the inner space and react with the hydrocarbon existing in the inner space.

### ***Response to Arguments***

While the applicant argues that Sugimoto does not disclose the catalyst formed in the barrier rib to be exposed to the inner space, the examiner asserts that, as the phosphor layer does not entirely cover the side of the barrier rib (see fig. 2), the barrier rib is exposed to the inner space upon assembly of the panel and thus the catalyst (as part of the barrier rib) is exposed to the inner space. Additionally, while the applicant argues that the examiner has not

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provided motivation for the combination of the teaching of Fujitani with that of Sugimoto, the examiner asserts that motivation was provided, directing the applicant's attention to the rejection of claim 1 (note, in particular, the teaching of Fujitani leads to "reducing the amount of solvent material retained in the dielectric layer").

### ***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHRISTOPHER RAABE whose telephone number is (571)272-8434. The examiner can normally be reached on m-f 7am-3:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel can be reached on 571-272-2457. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Christopher Raabe/  
Examiner, Art Unit 2879

/NIMESHKUMAR D. PATEL/  
Supervisory Patent Examiner, Art Unit 2879